



DETAIL XX GROUT KEY

SCALE: AS NOTED

GRADATION	ROCK RIPRAP SIZING			
	$D_{50}=6"$	$D_{50}=12"$	$D_{50}=18"$	$D_{50}=24"$
50%	6" - 9"	12" - 18"	18" - 27"	24" - 36"
35%	3" - 6"	6" - 12"	9" - 18"	12" - 24"
15%	$\leq 3"$	3" - 6"	4.5" - 9"	6" - 12"

NOTES:

- EXTEND GROUT KEY Laterally the full width of the channel as shown in the cross section views.
- INSTALL GROUT KEY at the junction of rock riprap channel with grouted rock riprap channel as shown in the profile view.
- AFTER EXCAVATING the grout key to the dimensions shown, place grout in the excavation to the channel sub grade prior to placing the riprap.
- "TW" = TOP WIDTH
"Fb" = FREEBOARD DEPTH
"F.D." = FLOW DEPTH
"t" = THICKNESS